In the claims:

Please amend claims 1-3, 10, 14, 15, 19, 22-24, as follows:

(Amended) 1. A method for providing a set of travel options comprises:

reducing a larger set of travel options to a smaller set of diverse travel options in accordance with a set of diverse travel requirements that represent conditions for a travel option to be considered for inclusion in the set of diverse travel options.

(Amended) 2. The method of claim 1 wherein reducing a larger set of travel options to a smaller set of diverse travel options comprises:

generating one or more travel options consistent for each of the diversity of travel requirements.

(Amended) 3. The method of claim 1 wherein reducing a larger set of travel options to a smaller set of diverse travel options comprises:

generating one or more desired travel options consistent with the diversity of travel requirements.

(Amended) 10. A method for reducing a larger set of travel options to a smaller set of diverse travel options comprises:

generating one or more travel options that are best for each of a set of travel preference functions to provide a set of diverse travel options.

(Amended) 14. The method of claim 13 further comprising:

initializing the list of result travel options Rts to be empty; and if the remaining list of requirements Rs is empty,

returning an ordered list of diverse travel options Rts.

(Amended) 15. The method of claim 14 further comprising:

initializing the list of result travel options Rts to be empty; and if the remaining list of requirements Rs is not empty,

selecting a first travel requirement R from the ordered list of requirements (Rs); and

removing a requirement R from the requirement list (Rs).

(Amended) 19. The method of claim 18 wherein if the diversity process determines if a travel option T is not already in the result list Rts,

adding the travel option T to end of the result travel option list Rts; and

determining if the size of the travel option list Rts is equal to or greater than N the process in order to return the ordered list of diverse travel options.

(Amended) 22. The travel planning system of claim 21 wherein the diversity-based pruning process comprises instructions to cause the system to:

generate a diverse list of N travel options Rts from a larger list of travel options Ts,

generate a prioritized ordered list of requirements Rs;

sort the list of travel options Ts by an ordering function F to produce a best-first ordered list Ts2 with the list of options being optimized travel options for a set of travel requirements R in accordance with the ordering function F.

(Amended) 23. The travel planning system of claim 23 further comprising instructions to cause the system to:

initialize the list of result travel options Rts to be empty; and if the remaining list of requirements Rs is empty,

return an ordered list of diverse travel options Rts.

(Amended) 24. The travel planning system of claim 24 further comprising instructions to cause the system to:

initialize the list of result travel options Rts to be empty; and if the remaining list of requirements Rs is not empty,

select a first travel requirement R from the ordered list of requirements (Rs); and

remove a requirement R from the requirement list (Rs).

Please add claim 25.

25.   The method of claim 1 wherein reducing a larger set of travel options to a smaller set of diverse travel options further comprises: evaluating for the travel requirements a set of travel preference functions used to order the larger set of travel options

In the drawings:

Please approve the proposed drawing changes.